

Abstract

The purpose of the present invention is to provide a packing material having enough durability even if it is used under high temperature and high pressure, and also the purpose of the present invention is to provide the packing material that only one type of the gland packing is enough to be used in a stuffing box.

The present invention relates to a packing material comprising an expansive graphite tape is mounted on one or both sides of plain state carbon fiber to make a first laminated tape, and it is twisted to be a filament, and to make a second laminated tape, an expansive graphite sheet is mounted on one or both sides of a reinforcing material comprising plural reinforcing fibers or reinforcing wires aligned in approximately parallel each other or a reinforcing material which a woven is cut into a strip, and said second laminating tape is wound around said filament.

Further, it is better that to make a third laminated tape, the expansive graphite tape is mounted on one or both sides of the plain state carbon fiber, and instead of said second laminated tape, the third laminated tape is wound around said filament.